

## (N)TMCGCWÖU12/20 (24kV)



(N)TMCGCWÖU cable is Medium voltage, class 5 single core cable with added semiconductive material between each of the Core, the insulation and the earth conductor and surrounded with a rubber outer sheath. It is usually used for short-length connections of transformers and switchgear, as well as power cables on mining equipment and alongside conveyor belts.

(N)TMCGCWÖU comes in 8 different power ranges. from 3.6/6kV to 26/45kV

### Key Features



**Voltage Rating**  
12/20 (24kV)



**Minimum Bending Radius**  
Fixed: 6 x overall diameter



**Oils, Greases and Chemicals Resistant**  
Yes



**UV/Ozone Resistance**  
Yes



**Flame Retardancy**  
IEC/EN 60332-1-2



**Temperature Limits**  
Fixed: -50°C to +90°C

### Construction

- **Conductor:** Tinned copper conductor
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Quality Rubber Compound, according to VDE 0207 Part 20
- **Insulation Screen:** Inner and outer semi-conductive rubber layer on the insulation
- **Concentric Conductor:** Copper wires with counter helix of copper tape
- **Outer Sheath:** Quality rubber compound, according to VDE 0207 part 21
- **Sheath Colour:** Red

### Standards

- IEC 60228
- BS EN/IEC 60332-1-2
- VDE 0250 PT812
- VDE 0295
- UV Resistant: ISO 4892-2
- Oil resistant: IEC 60811-404
- Ozone resistant: IEC 60811-403

(N)TMCGCWÖU12/20 (24kV) - Dimensions

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	CWS(mm)	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
24KV(N)TMCGC WÖU1X25	25	6.8	RM/16	24.3	146	870
24KV(N)TMCGC WÖU1X35	35	7.8	RM/16	25.0	139	970
24KV(N)TMCGC WÖU1X50	50	9.4	RM/16	27.3	153	1200
24KV(N)TMCGC WÖU1X70	70	11.2	RM/16	29.2	163.2	1440
24KV(N)TMCGC WÖU1X95	95	12.7	RM/16	30.8	173	1690
24KV(N)TMCGC WÖU1X120	120	14.4	RM/16	33.6	190	2060
24KV(N)TMCGC WÖU1X150	150	16.3	RM/25	36.0	216	2510
24KV(N)TMCGC WÖU1X185	185	17.6	RM/25	37.0	222	2810
24KV(N)TMCGC WÖU1X240	240	20.6	RM/25	41.0	246	3540
24KV(N)TMCGC WÖU1X300	300	22.7	RM/25	42.4	255	3960
24KV(N)TMCGC WÖU1X400	400	25.2	RM/35	45.1	271	4890
24KV(N)TMCGC WÖU1X500	500	29.5	RM/35	50.4	303	6330
24KV(N)TMCGC WÖU1X630	630	34.0	RM/35	55.9	336	8170

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